CNL Assignment - 10

Q.1. Explain details about protocol required for that. communication is one of most important things for today's generation. Chat conferencing is type of Internet communication.
Online chats on Internet include tenting, sharing vide, img, files, does de Few chat Pootocds are listed below: IRC (internet relay chat) Introduced is 1998 its Text based conferencing protocol Used for group chatting on channels also known as chat rooms.

Co server or command & control server are IRC servers that contain channels. TCP sockets are used for connecting - IRC operators (IRCops) are used to marage servers. 2) XMPP (extensible Messaging & Resence Protocol) Developed by Jabbar open-source community Real time messaging system.

TCP/IP, HTTP or websocket are used for connecting Some applications can be citalle & whatsapp. Features such as publish subscribe, authentication 2 its security uses to implement JOT.

Q2. Explain different function in UDP. -> > UDP is connectionless: Data toursport via UDP is characteed by fact that it takes place without an existing connection bet addresses & secipient. Respective packets are sent to preferred IP address, specifying the target port, without computer behind them having to respond. 2) UDP wes posts: Like TCP, UDP uses poxts so the packets are transferred to correct subsequent protocols or desixed applications on target system. Posts are defined by numbers according to the proven pattern, with numbers from 0 to 1023 assigned to fixed sowice 3> UDP enables fast, delay free communication: The transport protocol is suitable for fast data transmission due to lack of connection setup. This also results to loss of individual packets only affects quality of transmission. with TCP connections, lost of packets, are automatically se-requested causing the entire transmission process to come to standstill. 4) UDP does not gusantee the security of data: The absence of mutual authentic between address & recipient ensures excellent transmission speed in UDP However, protocol annot guarantee the security of data packets also correct sequence of send packet is also not guranteed. For this reason, services that use UDP must provide their own measures for correction or protection.

Explain UDP header? Q.3. UDP header: The purpose of using pseudo header is to verify that UDP packet has reached its correct destination consists of a specific machine & specific protocol part number. within machine. UDP honder itself provides specifies only protocol post number. Thus, verify the destination, UDP on sending (V) machine computer or checksum that covers destinate If address as well as upp packet. If checksum agrees, then it most be true that packet has reached to intended destination host as well as correct protocol post within that host. Source Address Destinat Aldress